

What is claimed is:

1. A single-core bidirectional optical transceiver module, which
mainly includes: optical transceiver sleeve, laser diode package,
5 photoelectric sensor, filter glass and combined-seat; it features the
following: the combined-seat is rectangular, whose surface is made
of stainless steel, the part included within it is made of plastic
material by way of integration; it connects with the optical
transceiver sleeve at the right side, connects with the laser diode
10 package at the left side, connects again with the photoelectric
sensor at its top; such three components are combined in the
combined-seat and form an optical transceiver module; while the
optical transceiver sleeve serves for the insertion combination of
the optical fiber to form the optical coupling connection, so as to
15 provide the product of this creation with the advantages of easy
workability and low cost.
2. A single-core bidirectional optical transceiver module to claim 1,
wherein the combined-seat is a rectangular solid, another side is
20 equipped with a rectangular hole.
3. A single-core bidirectional optical transceiver module to claim 1,
wherein the central part of the combined-seat is equipped with two
filter-mirrors.

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- 4 .A single-core bidirectional optical transceiver module to claim 1,
wherein the housing washer of the optical transceiver sleeve is
made of stainless steel.
- 5 5. A single-core bidirectional optical transceiver module to claim 1,
wherein the housing washer of the optical transceiver sleeve is
equipped thereon with a small flange and flange.
- 6.A single-core bidirectional optical transceiver module to claim 1
10 or 3, wherein the inner ring of the optical transceiver sleeve is
ceramic ferrule.
7. A single-core bidirectional transceiver module claim 1 , wherein
the inner ring of the optical transceiver sleeve is equipped therein
15 with a ceramic column embolus.
8. A single-core bidirectional optical transceiver module to claim 1,
wherein the graphical head of the laser diode package is placed in
the left side of the combined-seat.
- 20 9. A single-core bidirectional optical transceiver module to claim 1,
wherein the head of the photoelectric sensor is placed on the top of
the combined-seat.
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